

AMENDMENTS TO THE CLAIMS

1-36. (Canceled)

37. (Currently Amended) A method for authorizing a portable communication device to access a destination network, wherein the portable communication device has is configured to access to a home network through home network settings that are incompatible with the destination network, and wherein the portable communication device can access the destination network without altering the home network settings, comprising:

- receiving at a gateway device a network service request from a portable communication device, the network service request including an indication of a network address to be accessed, the network address residing on a destination network;

- determining if the portable communication device is entitled to access the network address based upon information contained in the network service request received by the gateway device, wherein the portable communication device remains configured for accessing a home network through home network settings that are incompatible with the destination network, and wherein no additional configuration software need be installed on the portable communication device to access the destination network and any other network;

- if it is determined that the portable communication device is not entitled to access the network address:

- storing the network address request;

- modifying, at the gateway device, the network address request and communicating the modified request to a redirection server;

- responding, at the redirection server, to the modified request with a browser redirect message that reassigns the modified request to a predetermined, redirected network address;

- receiving, at the gateway device, the browser redirect message and modifying it with to indicate that the stored original network address is the origin of the browser redirect message; and

sending the modified browser redirect message to the computer, the modified browser redirect message being configured to redirect the computer to the redirected network address; and
allowing the portable communication device to access the network address if it is determined that the portable communication device is entitled to access the network address.

38. **(Previously Presented)** The method of claim 37, wherein the redirection server is internal to the gateway device.

39. **(Previously Presented)** The method of claim 37, wherein the redirection server is external to the gateway device.

40. **(Currently Amended)** A system for authorizing a portable communication device to access a destination network, wherein the portable communication device ~~has~~ is configured to access to a home network through home network settings that are incompatible with the destination network, and wherein the portable communication device can access the destination network without altering the home network settings, comprising:

a gateway device configured to receive a service access request from a portable communication device, the service access request indicating a desired network address residing on a destination network, the gateway device further configured to:

determine if the portable communication device is entitled to access the network address based upon information contained in the original service access request, wherein the portable communication device remains configured for accessing a home network through home network settings that are incompatible with the destination network, and wherein no additional configuration software need be installed on the portable communication device to access the destination network and any other network;

store the network address request if it is determined that the portable communication device is not entitled to access the destination network; and

modify the original network address request if it is determined that the portable communication device is not entitled to access the destination network; and

a redirection server in communication with the gateway device configured to receive the modified service access request from the gateway device; and respond with a browser redirect message that reassigns the original service access request to a redirected address;

the gateway device being configured to receive the browser redirect message and modify the browser redirect message ~~with~~ to indicate that the stored original service access request is the origin of the browser redirect

message, before forwarding the browser redirect message to the portable communication device, wherein the browser redirect message is configured to redirect the portable communication device to the redirected address.

41. **(Previously Presented)** The system of claim 40, further comprising a user profile database in communication with the gateway device that includes stored user-access information.

42. **(Previously Presented)** The system of claim 40, further comprising an Authentication, Authorization and Accounting (AAA) server in communication with the gateway device and user profile database, the AAA server determines if the portable communication device is entitled to access the original destination address requests based upon the user-access information stored within the user profile database.

43. **(Previously Presented)** The system of claim 40, wherein the redirection server is located within the gateway device.

44. **(Previously Presented)** The method of Claim 37, wherein the indication of the network address comprises a hypertext transfer protocol (HTTP) request for a web page.

45. **(Previously Presented)** The method of Claim 37, wherein the indication of the network address comprises a destination address.

46. **(Previously Presented)** The method of Claim 45, wherein the destination address comprises one or more of a destination port, Internet address TCP port and a network.

47. **(Previously Presented)** The system of Claim 40, wherein the indicated desired network address comprises a hypertext transfer protocol (HTTP) request for a web page.

48. **(Previously Presented)** The system of Claim 40, wherein the indication of a network address comprises a destination address.

49. **(Previously Presented)** The system of Claim 48, wherein the destination address comprises one or more of a destination port, Internet address TCP port and a network.

50. **(Previously Presented)** The method of Claim 37, wherein the information contained in the network service request comprises a MAC address, and wherein

determining if the portable communication device is entitled to access the network address comprises comparing the MAC address to a database of authorized MAC addresses.

51. **(Previously Presented)** The method of Claim 37, wherein the information contained in the network service request is indicative of a location of the portable communication device, and wherein determining if the portable communication device is entitled to access the network address is based upon the indicated location of the portable communication device.

52. **(Previously Presented)** The method of Claim 37, further comprising:
receiving, at the gateway device, a second request from the portable communication device, the second request indicating a desired second network address; and

determining that the portable communication device is entitled to access the network address based at least upon comparing a MAC address included in the second request with an authorization database.

53. **(Previously Presented)** The system of Claim 40, wherein the information contained in the original service access request comprises a MAC address, and wherein the gateway device is configured to determine if the portable communication device is entitled to access the network address, at least in part by comparing the MAC address to a database of authorized MAC addresses.

54. **(Previously Presented)** The system of Claim 40, wherein the information contained in the original service access request is indicative of a location of the portable communication device, and wherein the gateway device is configured to determine if the portable communication device is entitled to access the network address, based at least in part on the indicated location of the portable communication device.

55. **(Previously Presented)** The system of Claim 40, wherein the gateway device is further configured to:

receive, at the gateway device, a second request from the portable communication device, the second request indicating a desired second network address; and

Application No.: 09/458602

Filing Date: December 8, 1999

determine that the portable communication device is entitled to access the second network address based at least upon comparing a MAC address included in the second request with an authorization database.

56. **(Currently Amended)** A method of authorizing a portable communication device to access a network resource, the method being performed at a network management system in communication with the portable communication device via a network, the method comprising:

receiving, from a portable communication device via a network, a request to access a network resource, the request being configured with network settings that do not correspond to the network;

determining, on a processor, whether the portable communication device is authorized to access the requested network resource, the determination being based at least in part on comparing an attribute included in the request to a user profile database; and

redirecting, upon determining that the portable communication device is not authorized to access the requested network resource, the portable network device to an authentication system, by performing a method comprising:

storing the request to access the network resource;

communicating a modified request to a redirection server, the modified request being based upon the request to access the network resource;

receiving, from the redirection server, a browser redirect message comprising a resource locator that identifies the authentication system, the browser redirect message configured to cause the portable communication device to be redirected to the authentication system; and

sending, to the portable communication device, a modified browser redirect message based upon the browser redirect message, the modified browser redirect message configured to ~~be responsive to the request to access the network resource~~ indicate that it was sent by the network resource;

whereby the portable communication device is enabled, by being redirected to the authentication system, to submit authentication-related information so that the portable communication system may be authorized to access the requested network resource.

57. **(Previously Presented)** The method of Claim 56, further comprising updating the user profile database upon determining that the portable communication device is entitled to access the requested network resource.

58. **(Previously Presented)** The method of Claim 56, further comprising maintaining in the user profile database a historical log of the portable communication device's access to the destination network.

59. **(Previously Presented)** The method of Claim 56, wherein the request is an HTTP request.

60. **(Previously Presented)** The method of Claim 56, wherein determining whether to authorize the portable communication device to access the requested network resource further comprises denying the portable communication device access where the user profile database indicates that the portable communication device may not access the destination network.

61. **(Previously Presented)** The method of Claim 56, wherein the attribute included in the request is one of a port, circuit ID, VLAN ID or MAC address.

62. **(Previously Presented)** The method of Claim 56, further comprising:
receiving, from the portable communication device, a second request to access a second network resource; and
determining that the portable communication device is authorized to access the second network resource, based at least upon a MAC address included in the second request.

63. **(Currently Amended)** A network management system configured to manage authorization of a portable communication device to access a network resource, the system comprising:

- a network communications interface configured to receive, from a portable communication device via a network, a request to access a network resource, the request comprising a resource locator that identifies the network resource, the request being configured with network settings that do not correspond to the network; and

- a processor configured to determine whether the portable communication device is authorized to access the requested network resource, the determination being based at least in part on comparing an attribute included in the request to a user profile database;

- the processor further configured to redirect, upon determining that the portable communication device is not authorized to access the requested network resource, the portable network device to an authentication system, by performing a method comprising:

- storing the request to access the network resource;

- communicating a modified request to a redirection server, the modified request being based upon the request to access the network resource;

- receiving, from the redirection server, a browser redirect message comprising a second resource locator that identifies the authentication system, the browser redirect message configured to cause the portable communication device to be redirected to the authentication system; and

- sending, to the portable communication device, a modified browser redirect message based upon the browser redirect message, the modified browser redirect message ~~configured to be responsive to the request to access~~ indicating it originated from the network resource;

- whereby the portable communication device is enabled, by being redirected to the authentication system, to submit authentication-related

information so that the portable communication system may be authorized to access the requested network resource.

64. **(Previously Presented)** The network management system of Claim 63, wherein the processor is further configured to maintain, in the user profile database, a historical log of the portable communication device's access to the destination network.

65. **(Previously Presented)** The network management system of Claim 63, wherein the request is an HTTP request.

66. **(Previously Presented)** The network management system of Claim 63, wherein determining whether to authorize the portable communication device to access the requested network resource further comprises denying the portable communication device access where the user profile database indicates that the portable communication device may not access the destination network.

67. **(Previously Presented)** The network management system of Claim 63, wherein the attribute included in the request is one of a port, circuit ID, VLAN ID or MAC address.

68. **(Previously Presented)** The network management system of Claim 63, wherein the network interface is further configured to receive, from the portable communication device, a second request to access a second network resource, and wherein the processor is further configured to determine that the portable communication device is authorized to access the second network resource, based at least upon a MAC address included in the second request.

69. **(New)** The system of Claim 63, wherein the user profile database further stores information relating to an authorized time period associated with the portable communication device, and wherein the determination of whether the portable communication device is authorized to access the requested network resource is further based on an amount of time that has elapsed in relation to the authorized time period stored in the user profile database.

70. **(New)** The system of Claim 63, wherein the attribute included in the request comprises a link-layer header of a network packet, and wherein the determination of whether the portable communication device is authorized to access the requested network resource is based both on the link-layer header of the network

packet and on identification information provided automatically by a browser of the portable communication device.

71. **(New)** The method of Claim 37, wherein modifying comprises changing attributes within the network address request.

72. **(New)** The system of Claim 40, wherein the gateway device is further configured to modify the original network address request by changing an attribute within the original network address request.

73. **(New)** The method of Claim 56, wherein the modified request comprises a change to one or more attributes within the request.

74. **(New)** The method of Claim 73, wherein the request is a network packet.

75. **(New)** The method of Claim 74, wherein the one or more attributes within the request are one or more of a source address, a checksum, and an application specific parameter.

76. **(New)** The system of Claim 63, wherein the modified request comprises a change to one or more attributes within the request.

77. **(New)** The system of Claim 77, wherein the request is a network packet.

78. **(New)** The system of Claim 78, wherein the one or more attributes within the request are one or more of a source address, a checksum, and an application specific parameter.